

<b>GEARTECH</b>	CHECKLIST			No. CK8506	SHEET 1 OF 2
				Rev. A	
Inspection by Magnetic Particle				BY RLE	DATE 11/06/01
				CKD JRM	DATE 11/06/01
<b>APPARATUS</b>					
Question	Y	N	R	Comments	
Are process equipment and materials in accordance with ASTM E 709 for wet particle technique?					
Is magnetization technique wet continuous magnetization?					
Is magnetizing current HW or FWDC?					
Is direction of magnetization circular and longitudinal?					
For circular magnetization of hollow parts, does the current pass through a conductor rod passing through the bore?					
Is inspection performed in a darkened enclosure?					
Is the black light in accordance with ASTM E 709?					
Is standardized test specimen a gear or sector of gear teeth with known crack indications?					
<b>TEST SPECIMENS</b>					
Question	Y	N	R	Comments	
Are tests performed on parts after all grinding is complete and before any shot peening?					
<b>PROCEDURE</b>					
Question	Y	N	R	Comments	
Does test procedure conform to ASTM E 709?					
Is test procedure verified with a standardized test specimen before any inspection?					
Is test procedure adjusted and verified until known indications are reproduced?					
Are strength and direction of magnetic field verified with a magnetic field indicator?					
Are 100% of all exterior surfaces inspected?					
Is process controlled so the part is not heated above 65°C?					
Are parts demagnetized after inspection to 2 Gauss max?					
Are parts cleaned after inspection?					
<b>INTERPRETATION OF RESULTS</b>					
Question	Y	N	R	Comments	
Are indications assessed and classified as surface or near surface discontinuities?					

[illegible]